FS 2.108/7:13/43

Morbidity and Mortality Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER *634-5131*

For release October 30, 1964 | ATLANTA, GEORGIA 30333 | Vol. 13, No. 43

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED OCTOBER 24, 1964

EPIDEMIOLOGICAL NOTES

The 1964 cumulative total of cases of primary infectious encephalitis reached 2,755 the week ended October 24, 1964. Many of these cases represent arthropod-borne viral encephalitis. The Houston, Texas epidemic has ended and the current cases are mainly from New Jersey and Pennsylvania.

ENCEPHALITIS – NEW JERSEY AND PENNSYLVANIA

Through October 28, 1964, a total of 120 suspected cases of St. Louis Encephalitis, including 8 deaths, has been reported from Camden and Burlington Counties, New Jersey and contiguous areas of Pennsylvania. The epidemic curve shows the peak incidence appears to have been the week ended September 19 (see graph).

(Continue to page 382)

REPORTED CASES OF ENCEPHALITIS
BY WEEK OF ONSET
NEW JERSEY AND PENNSYLVANIA
1964

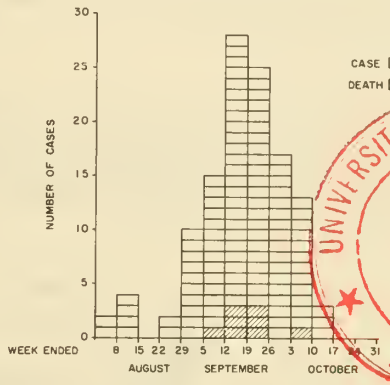

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Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	43RD Week Ended			Cumulative, First 43 Weeks		
	October 24, 1964	October 26, 1963	Median 1959 - 1963	1964	1963	Median 1959 - 1963
Aseptic meningitis	66	49	---	1,757	1,539	---
Brucellosis	5	8	8	342	311	490
Diphtheria	10	9	20	224	216	468
Encephalitis, primary infectious	103	29	---	2,755	1,314	---
Encephalitis, post-infectious	8		---	718		---
Hepatitis, infectious including serum hepatitis	684	851	863	31,756	35,912	35,912
Measles	1,061	1,208	1,504	428,986	363,933	393,066
Meningococcal infections	46	51	36	2,238	1,988	1,828
Poliomyelitis, Total	6	10	56	104	363	1,142
Paralytic	1	10	41	81	311	741
Nonparalytic	1	-	---	12	36	---
Unspecified	4	-	---	11	16	---
Streptococcal Sore Throat and Scarlet fever	6,024	5,218	---	326,608	279,209	---
Tetanus	6	4	---	236	228	---
Tularemia	7	8	---	281	247	---
Typhoid fever	5	6	22	357	451	681
Rabies in Animals	57	61	45	3,764	3,158	3,121

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Calif. - 1	4	Psittacosis: Ore. - 1	39
Botulism:	15	Rabies in Man:	1
Leptospirosis:	37	Smallpox:	-
Malaria: Fla. - 1, Calif. - 1	81	Typhus-	
Plague:	-	Murine:	22
		Rky Mt. Spotted: Tenn. - 1, Ga. - 1	214

ENCEPHALITIS (continued from front page)

The overall attack rate is 14 per 100,000 population. The age and sex distribution, shown in the following table, reveals that nearly two-thirds of the cases occurred in females over 40 years of age. The 8 deaths all occurred in patients over 60, 7 of them in women. These 8 deaths represent a case fatality ratio of less than 7 percent.

Sera from 85 of the suspected cases have been studied to date. Of these, 17 have confirmatory evidence of SLE virus. An additional 68 sera have been found to be presumptive for recent SLE virus on the basis of a single HAI titer of 160 or greater.

St. Louis Encephalitis virus has been isolated in the New Jersey State Health Department Laboratory from pools of *Culex pipiens quinquefasciatus* mosquitoes collected within the epidemic area.

(Reported by W. J. Dougherty, M. D., Director, Division of Preventive Disease Control Programs, and Martin Goldfield, M. D., Director, Division of Laboratories, New Jersey State Department of Health, and W.D. Schrack, Jr., M.D., Director, Division of Communicable Diseases, Pennsylvania Department of Health.)

REPORTED CASES OF VIRAL ENCEPHALITIS
NEW JERSEY AND PENNSYLVANIA, 1964

Age	Total	Male	Female
0 – 9	4	4	0
10 – 19	6	4	2
20 – 29	10	3	7
30 – 39	18	7	11
40 – 49	21	4	17
50 – 59	18	6	12
60 – 69	23	4	19
70 – 79	17	7	10
80 – 89	3	0	3
Total	120	39	81

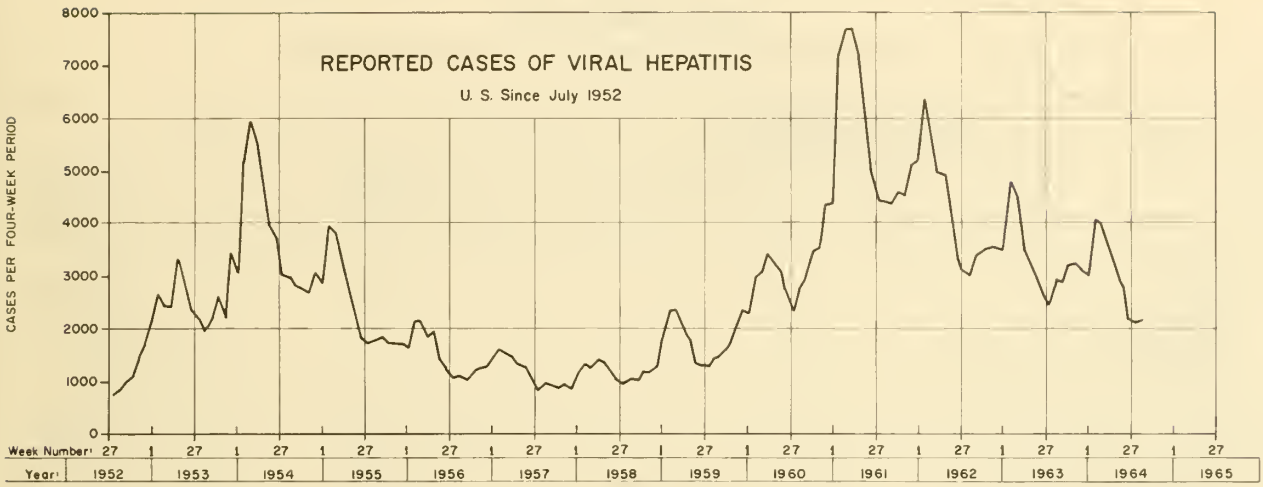
VIRAL HEPATITIS SURVEILLANCE SUMMARY

There were 9,320 cases of viral hepatitis reported in the United States during the spring quarter of 1963-64 (March 29, 1964 through June 27, 1964), representing a rate of 4.9 cases per 100,000 population for this quarter. This brings the total of cases reported during the period July 1963 through June 1964 to 40,657 (21.6 per 100,000). Comparison of these data with those for previous epidemiological years (July through June) is presented in the table below:

REPORTED CASES

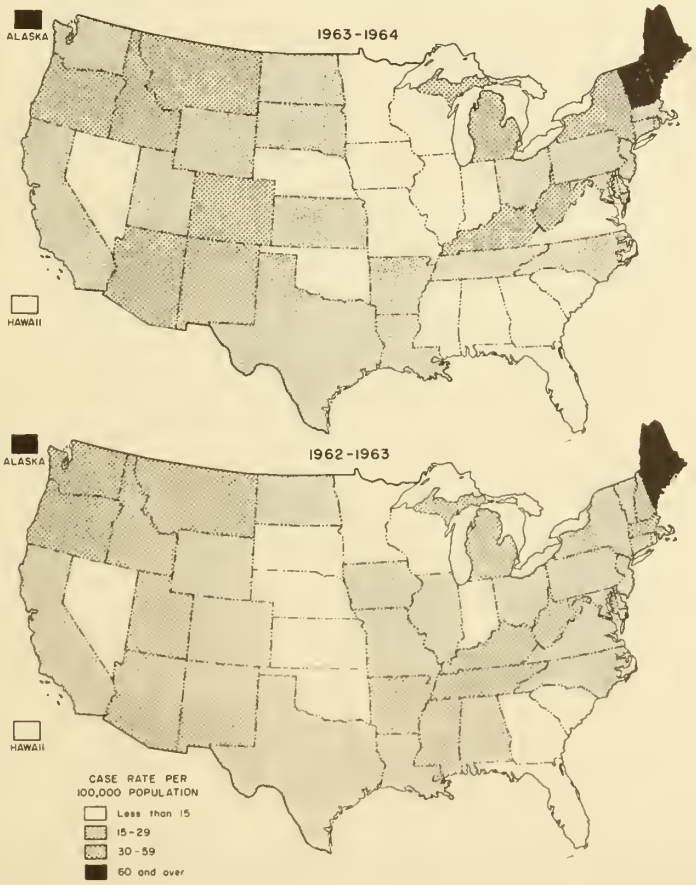
EPIDEMIOLOGICAL YEAR	SUMMER QUARTER	FALL QUARTER	WINTER QUARTER	SPRING QUARTER	TOTAL YEAR
1958-59	3403	4028	7169	4902	19502
1959-60	4700	6026	9793	9917	30436
1960-61	8940	12403	23026	19898	65267
1961-62	14229	15580	17995	13533	61337
1962-63	10272	11330	13848	9864	45314
1963-64	8969	10250	12118	9320	40657
	INCIDENCE PER 100,000 POPULATION PER QUARTER				
1958-59	2.0	2.3	4.0	2.8	11.1
1959-60	2.7	3.4	5.5	5.5	17.1
1960-61	5.0	6.9	12.8	11.1	35.8
1961-62	7.9	8.7	9.8	7.4	33.8
1962-63	5.6	6.2	7.4	5.3	24.5
1963-64	4.8	5.4	6.4	4.9	21.6

Both the total cases and incidence per 100,000 population in 1963-64 are the lowest reported since 1959-60. The figure p. 383) shows reported cases of viral hepatitis in the United States by 4-week periods since July 1952. The continuing decline in incidence since the 1960-61 peak is shown in this graph. On the basis of the previous epidemiological cycle (1952-53 through 1957-58), a further decline in incidence may be expected during 1964-65 to a level slightly below that recorded in 1963-64.



Morbidity rates for the entire **epidemiological** year just completed (July 1963 – June 1964) and the preceding one (July 1962 – June 1963) in the 50 States is presented in the map below. Incidence in most of the States remained stationary or decreased except for New Hampshire, Vermont, Kansas, and South Dakota.

CASE RATE OF REPORTED VIRAL HEPATITIS BY STATE
EPIDEMIOLOGICAL YEARS 1962-1963 and 1963-1964



(Reported by Hepatitis Surveillance Unit, CDC.)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 24, 1964 AND OCTOBER 26, 1963 (43RD WEEK)

Area	Aseptic Meningitis		Encephalitis Primary	Encephalitis Post-Inf.	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
							Cumulative				Cumulative	
	1964	1963	1964	1964	1964	1963	1964	1963	1964	1963	1964	1963
UNITED STATES...	66	49	103	8	6	10	104	363	1	10	81	311
NEW ENGLAND.....	-	2	1	2	-	2	2	8	-	2	2	8
Maine.....	-	-	-	-	-	-	-	2	-	-	-	2
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	1	-	-	-	-	-	1	-	-	-	1
Massachusetts.....	-	-	1	-	-	-	-	3	-	-	-	3
Rhode Island.....	-	1	-	2	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	2	2	2	-	2	2	2
MIDDLE ATLANTIC.....	9	8	52	1	1	4	15	114	-	4	13	92
New York City.....	1	-	6	-	-	-	2	-	-	-	2	-
New York, Up-State.	3	8	1	-	-	-	10	8	-	-	9	5
New Jersey.....	4	-	34	-	1	2	3	3	-	2	2	3
Pennsylvania.....	1	-	11	1	-	2	-	103	-	2	-	84
EAST NORTH CENTRAL...	10	8	17	1	3	2	22	55	-	2	14	45
Ohio.....	4	2	9	-	1	-	3	8	-	-	2	4
Indiana.....	-	-	-	-	1	-	8	4	-	-	4	3
Illinois.....	5	4	7	1	-	1	5	17	-	1	5	16
Michigan.....	-	2	1	-	1	-	4	19	-	-	2	19
Wisconsin.....	1	-	-	-	-	1	2	7	-	1	1	3
WEST NORTH CENTRAL...	3	1	9	-	-	-	9	6	-	-	7	5
Minnesota.....	2	1	4	-	-	-	3	4	-	-	2	4
Iowa.....	1	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	4	-	-	-	4	-	-	-	3	-
North Dakota.....	-	-	-	-	-	-	1	1	-	-	1	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	1	-	-	-	1
Kansas.....	-	-	1	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	3	6	5	-	1	2	29	65	1	2	24	56
Delaware.....	-	1	-	-	-	-	-	1	-	-	-	1
Maryland.....	-	-	-	-	-	-	1	1	-	-	1	1
Dist. of Columbia..	-	-	-	-	-	-	-	1	-	-	-	-
Virginia.....	2	1	-	-	1	-	4	18	1	-	4	13
West Virginia.....	-	1	3	-	-	-	1	3	-	-	1	3
North Carolina.....	-	-	1	-	-	-	10	3	-	-	6	3
South Carolina.....	-	-	-	-	-	1	3	7	-	1	3	6
Georgia.....	-	-	1	-	-	-	1	19	-	-	1	18
Florida.....	1	3	-	-	-	1	9	12	-	1	8	11
EAST SOUTH CENTRAL...	1	2	2	1	-	-	6	65	-	-	5	60
Kentucky.....	-	1	2	-	-	-	-	-	-	-	-	-
Tennessee.....	1	1	-	1	-	-	3	10	-	-	2	9
Alabama.....	-	-	-	-	-	-	2	48	-	-	2	44
Mississippi.....	-	-	-	-	-	-	1	7	-	-	1	7
WEST SOUTH CENTRAL...	3	-	2	-	1	-	10	23	-	-	8	22
Arkansas.....	-	-	-	-	-	-	-	4	-	-	-	3
Louisiana.....	-	-	1	-	-	-	-	13	-	-	-	13
Oklahoma.....	1	-	1	-	1	-	3	-	-	-	2	-
Texas.....	2	-	-	-	-	-	7	6	-	-	6	6
MOUNTAIN.....	3	3	8	-	-	-	8	6	-	-	5	5
Montana.....	-	1	-	-	-	-	1	-	-	-	1	-
Idaho.....	-	-	-	-	-	-	1	1	-	-	1	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	2	1	8	-	-	-	1	1	-	-	1	1
New Mexico.....	-	-	-	-	-	-	3	1	-	-	-	-
Arizona.....	1	1	-	-	-	-	-	3	-	-	-	3
Utah.....	-	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	34	19	7	3	-	-	3	21	-	-	3	18
Washington.....	1	2	-	-	-	-	-	2	-	-	-	2
Oregon.....	-	-	1	-	-	-	1	2	-	-	1	1
California.....	32	17	6	3	-	-	2	17	-	-	2	15
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	5	-	-	-	4

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 24, 1964 AND OCTOBER 26, 1963 (43RD WEEK) · CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
		Cum.		Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative			Cum.
	1964	1964	1964	1964	1964	1964	1964	1964	1964	1963	1964	1964
UNITED STATES...	5	342	10	224	684	330	311	43	31,756	35,912	5	357
NEW ENGLAND.....	-	2	-	44	49	23	21	5	2,895	3,994	1	16
Maine.....	-	-	-	39	14	9	4	1	909	1,788	-	-
New Hampshire.....	-	-	-	-	7	4	3	-	226	462	-	-
Vermont.....	-	-	-	-	4	-	3	1	353	98	-	-
Massachusetts.....	-	2	-	5	7	2	5	-	645	1,052	1	7
Rhode Island.....	-	-	-	-	9	5	4	-	174	91	-	6
Connecticut.....	-	-	-	-	8	3	2	3	588	503	-	3
MIDDLE ATLANTIC.....	-	5	1	10	126	67	59	-	6,989	7,117	1	60
New York City.....	-	-	-	5	18	5	13	-	1,079	1,108	1	31
New York, Up-State.	-	2	-	-	56	33	23	-	3,027	3,061	-	10
New Jersey.....	-	-	-	2	10	4	6	-	1,178	1,056	-	2
Pennsylvania.....	-	3	1	3	42	25	17	-	1,705	1,892	-	17
EAST NORTH CENTRAL...	-	48	-	8	112	62	45	5	4,993	5,772	1	78
Ohio.....	-	5	-	-	19	7	10	2	1,302	1,591	-	19
Indiana.....	-	1	-	1	12	6	6	-	431	515	-	23
Illinois.....	-	27	-	6	19	9	8	2	928	1,214	-	22
Michigan.....	-	6	-	1	59	39	20	-	1,979	2,199	1	11
Wisconsin.....	-	9	-	-	3	1	1	1	353	253	-	3
WEST NORTH CENTRAL...	1	142	4	32	43	19	18	6	1,722	1,589	-	28
Minnesota.....	-	9	4	16	6	2	2	2	202	246	-	3
Iowa.....	-	88	-	-	11	7	3	1	278	298	-	4
Missouri.....	-	10	-	1	18	6	11	1	431	548	-	11
North Dakota.....	-	2	-	2	2	-	2	-	62	70	-	2
South Dakota.....	1	17	-	2	-	-	-	-	129	108	-	1
Nebraska.....	-	13	-	4	2	-	-	2	47	105	-	3
Kansas.....	-	3	-	7	4	4	-	-	573	214	-	4
SOUTH ATLANTIC.....	2	35	-	54	73	38	33	2	3,002	3,636	-	68
Delaware.....	-	-	-	-	1	-	1	-	66	70	-	-
Maryland.....	-	-	-	-	8	5	3	-	547	457	-	6
Dist. of Columbia..	-	-	-	-	1	1	-	-	61	100	-	-
Virginia.....	1	16	-	-	9	6	2	1	472	735	-	11
West Virginia.....	-	-	-	-	8	7	1	-	427	554	-	-
North Carolina.....	1	4	-	-	10	4	6	-	500	899	-	19
South Carolina.....	-	-	-	7	4	4	-	-	117	151	-	11
Georgia.....	-	12	-	26	8	2	6	-	94	160	-	5
Florida.....	-	3	-	21	24	9	14	1	718	510	-	16
EAST SOUTH CENTRAL...	-	17	1	23	42	21	21	-	2,178	3,357	-	34
Kentucky.....	-	6	-	-	10	4	6	-	773	958	-	10
Tennessee.....	-	5	-	2	21	11	10	-	772	1,311	-	16
Alabama.....	-	4	1	16	8	4	4	-	415	533	-	6
Mississippi.....	-	2	-	5	3	2	1	-	218	555	-	2
WEST SOUTH CENTRAL...	1	41	4	36	49	29	19	1	2,472	2,505	-	29
Arkansas.....	-	6	2	3	7	4	3	-	235	280	-	13
Louisiana.....	-	4	1	10	14	6	8	-	607	517	-	5
Oklahoma.....	-	7	-	-	3	1	1	1	120	113	-	7
Texas.....	1	24	1	23	25	18	7	-	1,510	1,595	-	4
MOUNTAIN.....	-	30	-	3	46	6	17	23	1,918	2,292	-	10
Montana.....	-	-	-	-	5	1	3	1	170	296	-	-
Idaho.....	-	-	-	-	10	-	-	10	273	386	-	-
Wyoming.....	-	-	-	-	7	2	4	1	70	28	-	1
Colorado.....	-	-	-	-	8	1	3	4	501	473	-	-
New Mexico.....	-	1	-	1	5	1	4	-	266	274	-	2
Arizona.....	-	2	-	2	7	-	-	7	426	520	-	7
Utah.....	-	26	-	-	4	1	3	-	161	298	-	-
Nevada.....	-	1	-	-	-	-	-	-	51	17	-	-
PACIFIC.....	1	22	-	14	144	65	78	1	5,587	5,650	2	34
Washington.....	-	-	-	13	13	6	6	1	563	973	-	2
Oregon.....	-	2	-	-	12	2	10	-	582	678	-	-
California.....	1	20	-	1	115	55	60	-	4,092	3,803	2	32
Alaska.....	-	-	-	-	-	-	-	-	240	157	-	-
Hawaii.....	-	-	-	-	4	2	2	-	110	39	-	-
Puerto Rico	-	-	1	12	11	9	2	-	827	738	1	13

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
OCTOBER 24, 1964 AND OCTOBER 26, 1963 (43RD WEEK) - CONTINUED

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
			Cumulative					Cum.		Cum.		Cum.
	1964	1964	1964	1963	1964	1963	1964	1964	1964	1964	1964	1964
UNITED STATES...	1,061	46	2,238	1,988	6,024	5,218	6	236	7	281	57	3,764
NEW ENGLAND.....	213	2	72	124	542	355	-	9	-	1	-	33
Maine.....	27	-	6	18	21	20	-	-	-	-	-	28
New Hampshire.....	33	-	1	4	1	-	-	-	-	-	-	2
Vermont.....	3	-	4	5	4	16	-	-	-	-	-	2
Massachusetts.....	51	1	30	58	65	60	-	9	-	1	-	1
Rhode Island.....	36	-	10	11	37	24	-	-	-	-	-	-
Connecticut.....	63	1	21	28	414	235	-	-	-	-	-	-
MIDDLE ATLANTIC.....	101	6	291	272	159	202	-	19	-	-	-	111
New York City.....	19	-	38	41	8	4	-	-	-	-	-	-
New York, Up-State.	38	2	84	85	96	145	-	7	-	-	-	105
New Jersey.....	9	2	96	41	32	21	-	6	-	-	-	-
Pennsylvania.....	35	2	73	105	23	32	-	6	-	-	-	6
EAST NORTH CENTRAL...	145	3	306	305	482	457	2	45	-	21	4	532
Ohio.....	8	-	77	80	68	56	-	12	-	1	-	270
Indiana.....	20	-	48	41	41	99	1	12	-	2	1	24
Illinois.....	13	2	80	60	99	63	1	13	-	13	2	102
Michigan.....	52	1	70	92	195	160	-	7	-	2	-	52
Wisconsin.....	52	-	31	32	79	79	-	1	-	3	1	84
WEST NORTH CENTRAL...	36	3	133	122	280	223	2	16	-	54	19	1,157
Minnesota.....	1	-	29	24	2	8	1	3	-	2	9	358
Iowa.....	14	1	8	7	91	50	1	6	-	1	8	418
Missouri.....	8	2	60	35	12	19	-	4	-	28	-	175
North Dakota.....	13	-	19	13	162	42	-	-	-	-	-	56
South Dakota.....	-	-	3	7	12	5	-	1	-	15	-	82
Nebraska.....	-	-	6	25	-	-	-	-	-	-	1	35
Kansas.....	NN	-	8	11	1	99	-	2	-	8	1	33
SOUTH ATLANTIC.....	101	12	451	365	641	545	-	57	-	28	9	520
Delaware.....	2	-	6	4	9	4	-	-	-	-	-	-
Maryland.....	2	-	32	51	51	29	-	3	-	-	1	2
Dist. of Columbia..	1	1	15	6	20	1	-	1	-	1	-	-
Virginia.....	13	4	54	82	148	160	-	7	-	6	6	272
West Virginia.....	61	-	33	19	195	185	-	1	-	-	1	33
North Carolina.....	10	1	76	67	9	48	-	13	-	7	-	5
South Carolina.....	1	2	55	20	20	42	-	5	-	-	-	2
Georgia.....	-	3	67	30	26	2	-	4	-	13	1	113
Florida.....	11	1	113	86	163	74	-	23	-	1	-	93
EAST SOUTH CENTRAL...	55	1	177	140	1,395	958	-	31	-	30	7	486
Kentucky.....	3	1	57	31	65	44	-	8	-	2	-	56
Tennessee.....	30	-	56	64	1,230	864	-	12	-	20	7	356
Alabama.....	15	-	40	23	63	32	-	6	-	3	-	17
Mississippi.....	7	-	24	22	37	18	-	5	-	5	-	57
WEST SOUTH CENTRAL...	100	7	209	178	489	536	1	27	5	97	8	525
Arkansas.....	-	1	24	11	2	-	-	8	4	58	1	130
Louisiana.....	-	2	126	74	1	14	-	4	-	5	1	50
Oklahoma.....	2	-	11	31	29	16	1	1	-	20	2	87
Texas.....	98	4	48	62	457	506	-	14	1	14	4	258
MOUNTAIN.....	142	3	77	70	1,236	1,016	-	6	2	47	1	129
Montana.....	51	1	1	3	32	76	-	-	-	18	-	1
Idaho.....	18	-	3	6	182	60	-	1	-	-	-	-
Wyoming.....	1	-	5	7	34	149	-	2	1	9	-	-
Colorado.....	17	1	14	20	644	216	-	-	-	-	-	8
New Mexico.....	32	1	30	4	174	309	-	1	-	-	-	51
Arizona.....	8	-	7	11	73	141	-	1	-	-	1	56
Utah.....	15	-	7	16	96	65	-	1	1	20	-	2
Nevada.....	-	-	10	3	1	-	-	-	-	-	-	11
PACIFIC.....	168	9	522	412	800	926	1	26	-	3	9	271
Washington.....	56	1	40	34	167	247	-	3	-	-	-	-
Oregon.....	21	-	21	31	16	12	1	1	-	1	-	10
California.....	76	8	442	326	574	492	-	21	-	2	9	261
Alaska.....	3	-	7	12	4	37	-	-	-	-	-	-
Hawaii.....	12	-	12	9	39	138	-	1	-	-	-	-
Puerto Rico	98	2	32	8	8	2	-	59	-	-	1	25

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)°

Area	For weeks ending			
	10/3	10/10	10/17	10/24
NEW ENGLAND:				
Boston, Mass.	16	16	11	13
Bridgeport, Conn.	2	4	3	1
Cambridge, Mass.	2	1	-	1
Fall River, Mass.	-	1	-	3
Hartford, Conn.	8	9	5	3
Lowell, Mass.	-	5	1	1
Lynn, Mass.	1	2	-	3
New Bedford, Mass.	1	1	-	-
New Haven, Conn.	4	6	-	5
Providence, R.I.	3	4	4	7
Somerville, Mass.	1	-	-	1
Springfield, Mass.	6	-	4	1
Waterbury, Conn.	4	-	4	4
Worcester, Mass.	3	-	4	-
MIDDLE ATLANTIC:				
Albany, N.Y.	3	2	2	5
Allentown, Pa.	3	-	3	3
Buffalo, N.Y.	9	9	9	8
Camden, N.J.	-	5	5	4*
Elizabeth, N.J.	2	-	1	-
Erie, Pa.	4	3	2	-
Jersey City, N.J.	4	6	7	2
Newark, N.J.	4	24	5	8
New York City, N.Y.	77	76	62	97
Paterson, N.J.	2	2	1	4
Philadelphia, Pa.	30	30	39	33
Pittsburgh, Pa.	13	8	11	11
Reading, Pa.	1	1	1	5
Rochester, N.Y.	6	3	5	7
Schenectady, N.Y.	-	1	3	-
Scranton, Pa.	1	1	1	-
Syracuse, N.Y.	5	4	3	5
Trenton, N.J.	4	4	3	6
Utica, N.Y.	1	2	-	2
Yonkers, N.Y.	-	1	1	1
EAST NORTH CENTRAL:				
Akron, Ohio.	6	4	3	8
Canton, Ohio.	1	1	-	4
Chicago, Ill.	45	60	43	47
Cincinnati, Ohio.	7	9	9	8
Cleveland, Ohio.	22	9	9	11
Columbus, Ohio.	11	1	6	6
Dayton, Ohio.	2	7	4	3
Detroit, Mich.	26	20	16	22
Evansville, Ind.	2	3	-	3
Flint, Mich.	2	4	3	3
Fort Wayne, Ind.	3	-	2	3
Gary, Ind.	-	3	4	2
Grand Rapids, Mich.	3	3	3	4
Indianapolis, Ind.	10	8	15	9
Madison, Wis.	2	4	8	8
Milwaukee, Wis.	20	3	8	12
Peoria, Ill.	-	5	7	2
Rockford, Ill.	2	-	2	2
South Bend, Ind.	1	3	-	1
Toledo, Ohio.	6	2	10	4
Youngstown, Ohio.	2	3	3	3
WEST NORTH CENTRAL:				
Des Moines, Iowa.	7	3	1	3
Duluth, Minn.	2	2	3	1
Kansas City, Kans.	6	4	6	3
Kansas City, Mo.	6	14	10	8
Lincoln, Nebr.	2	5	-	2
Minneapolis, Minn.	11	10	7	11
Omaha, Nebr.	2	5	10	6
St. Louis, Mo.	25	10	18	12
St. Paul, Minn.	5	4	3	4
Wichita, Kans.	3	3	2	3
SOUTH ATLANTIC:				
Atlanta, Ga.	5	10	15	14
Baltimore, Md.	19	10	21	17*
Charlotte, N.C.	3	8	2	3
Jacksonville, Fla.	4	6	3	8
Miami, Fla.	4	7	7	3
Norfolk, Va.	2	8	5	11
Richmond, Va.	6	3	10	2
Savannah, Ga.	-	4	1	8
St. Petersburg, Fla.	4	2	1	2
Tampa, Fla.	3	2	3	6
Washington, D.C.	10	11	11	6
Wilmington, Del.	4	5	1	4
EAST SOUTH CENTRAL:				
Birmingham, Ala.	3	9	3	3
Chattanooga, Tenn.	4	-	3	3
Knoxville, Tenn.	1	1	4	1
Louisville, Ky.	3	5	3	10
Memphis, Tenn.	17	5	15	15
Mobile, Ala.	3	5	2	8
Montgomery, Ala.	6	1	5	2
Nashville, Tenn.	12	6	3	6
WEST SOUTH CENTRAL:				
Austin, Tex.	2	1	2	6
Baton Rouge, La.	4	-	6	1
Corpus Christi, Tex.	3	1	4	1
Dallas, Tex.	6	12	17	9
El Paso, Tex.	3	6	5	4
Fort Worth, Tex.	13	8	6	3
Houston, Tex.	15	15	16	21
Little Rock, Ark.	5	2	2	4
New Orleans, La.	13	15	18	20
Oklahoma City, Okla.	9	10	1	3
San Antonio, Tex.	7	6	5	11
Shreveport, La.	3	9	4	7
Tulsa, Okla.	-	2	8	5
MOUNTAIN:				
Albuquerque, N. Mex.	4	2	2	5
Colorado Springs, Colo.	3	1	1	2
Denver, Colo.	16	10	5	20
Ogden, Utah.	-	2	1	3
Phoenix, Ariz.	3	12	5	10
Pueblo, Colo.	-	-	-	1
Salt Lake City, Utah.	4	5	4	2
Tucson, Ariz.	3	3	4	4
PACIFIC:				
Berkeley, Calif.	-	1	1	1
Fresno, Calif.	4	2	4	2
Glendale, Calif.	2	1	1	-
Honolulu, Hawaii.	2	8	7	2
Long Beach, Calif.	8	2	2	4*
Los Angeles, Calif.	26	24	25	37
Oakland, Calif.	4	-	5	4
Pasadena, Calif.	2	1	1	1
Portland, Oreg.	4	3	6	3
Sacramento, Calif.	-	3	8	3
San Diego, Calif.	8	7	8	7
San Francisco, Calif.	5	8	3	11
San Jose, Calif.	4	5	7	-
Seattle, Wash.	11	3	6	7
Spokane, Wash.	2	4	1	1
Tacoma, Wash.	2	1	1	1

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

°Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages	12,023
4(B) Pneumonia-Influenza Deaths, all ages	512
4(C) Total Deaths under 1 Year of Age	776
4(D) Total Deaths, Persons 65 years and over	6,604

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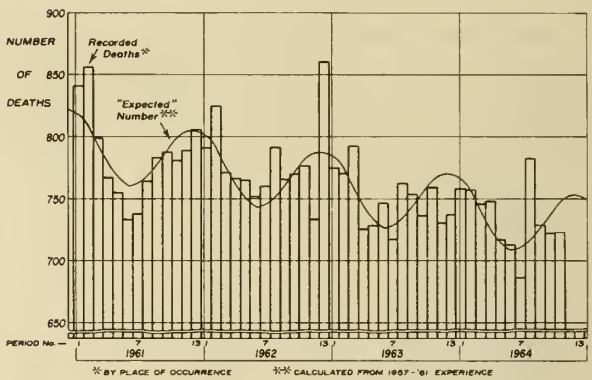
INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending October 24 was 729 as compared with an expected 747 weekly average.

	Week Ending				4-Week	Weekly
	10/3	10/10	10/17	10/24	Total	Average
Observed	744	704	692	776	2916	729
Expected	744	746	748	750	2988	747
Excess	0	−42	−56	26	−72	−18

DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES
Average Number per Week by Four-Week Periods



(See table, page 387)

INTERNATIONAL NOTES – QUARANTINE MEASURES

Immunization Information for International Travel
1963-64 edition Public Health Service Publication No. 384

SECTION 5

OCEANIA

Samoa (American), page 66 – (United States)

Delete the information under REQUIRED and insert: Smallpox vaccination is required of all travelers arriving in American Samoa.

THE MDRBIDITY AND MDRTALITY WEEKLY REPORT, WITH A CIRCULATION OF 12,000 IS PUBLISHED BY THE CDMMUNICABLE DISEASE CENTER, ATLANTA, GEDRGIA 30333.

CHIEF, CDMMUNICABLE DISEASE CENTER — JAMES L. GODDARD, M.D.
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ASSISTANT EDITDR, MMWR — PAUL D. STDLLEY, M.D.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPDRTING MORBIDITY AND MDRTALITY, THE CDMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS DF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

THE EDITDR
MORBIDITY AND MORTALITY WEEKLY REPDRT
CDMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NDTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS:---DATA NDT AVAILABLE
- QUANTITY ZERO

PROCEDURES FOR CDNSTRUCTIDN OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FRDM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATIDN, AND WELFARE, ATLANTA, GEDRGIA 30333.

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